

SEQUENCE LISTING

<110> Boehringer Ingelheim Pharma KG

<120> Methods for identifying substances for treating
inflammatory conditions

<130> 1/1178

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<150> US 60/257,878

<151> 2000-12-22

<160> 20

<170> PatentIn Ver. 2.1

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Cys Gly Leu Leu Ala Glu Arg Leu Arg Ile Ser Pro Asp Arg Val Tyr
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 Gly Thr Phe Pro Phe Asn Ser Phe Leu Ser Gly Phe Ile Ser Cys Val
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 Gly Ser Phe Ile Leu Ala Val Cys Leu Arg Ile Gln Ile Asn Pro Gln
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45

Val Pro Thr Lys Gly Phe Asn Thr Glu Lys Ile Lys Val Thr Leu Gly

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55

60

Asn Ser Lys Thr Val Thr Phe His Phe Trp Asp Val Gly Gly Gln Glu
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Lys Leu Arg Pro Leu Trp Lys Ser Tyr Thr Arg Cys Thr Asp Gly Ile
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Val Phe Val Val Asp Ser Val Asp Val Glu Arg Met Glu Glu Ala Lys
100 105 110

Thr Glu Leu His Lys Ile Thr Arg Ile Ser Glu Asn Gln Gly Val Pro
115 120 125

Val Leu Ile Val Ala Asn Lys Gln Asp Leu Arg Asn Ser Leu Ser Leu
130 135 140

Ser Glu Ile Glu Lys Leu Leu Ala Met Gly Glu Leu Ser Ser Ser Thr
145 150 155 160

Pro Trp His Leu Gln Pro Thr Cys Ala Ile Ile Gly Asp Gly Leu Lys
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Thr Pro Leu Lys Lys Thr Lys Ala Leu Ile Gly Glu Met Gly Met Thr
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Phe Ser Ser Ala Tyr Val Pro Ser Ala Leu Cys Cys Pro Ser Arg Ala
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Ser Ile Leu Thr Gly Lys Tyr Pro His Asn His His Val Val Asn Asn
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Thr Leu Glu Gly Asn Cys Ser Ser Lys Ser Trp Gln Lys Ile Gln Glu
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Pro Asn Thr Phe Pro Ala Ile Leu Arg Ser Met Cys Gly Tyr Gln Thr
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Phe Phe Ala Gly Lys Tyr Leu Asn Glu Tyr Gly Ala Pro Asp Ala Gly
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85 90 95
Asp Cys Thr Leu Ser Leu Gln Leu Thr Thr Pro Ala Asn Ala Pro Ile
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Gly Leu Tyr Arg Leu Ser Leu Glu Ala Ser Thr Gly Tyr Gln Gly Ser
115 120 125
Ser Phe Val Leu Gly His Phe Ile Leu Leu Phe Asn Ala Trp Cys Pro
130 135 140
Ala Asp Ala Val Tyr Leu Asp Ser Glu Glu Glu Arg Gln Glu Tyr Val
145 150 155 160
Leu Thr Gln Gln Gly Phe Ile Tyr Gln Gly Ser Ala Lys Phe Ile Lys
165 170 175
Asn Ile Pro Trp Asn Phe Gly Gln Phe Gln Asp Gly Ile Leu Asp Ile
180 185 190
Cys Leu Ile Leu Leu Asp Val Asn Pro Lys Phe Leu Lys Asn Ala Gly
195 200 205
Arg Asp Cys Ser Arg Arg Ser Ser Pro Val Tyr Val Gly Arg Val Gly
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Ser Gly Met Val Asn Cys Asn Asp Asp Gln Gly Val Leu Leu Gly Arg
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 His Asp Gln Asn Ser Asn Leu Leu Ile Glu Tyr Phe Arg Asn Glu Phe
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 Gly Glu Ile Gln Gly Asp Lys Ser Glu Met Ile Trp Asn Phe His Cys
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 Trp Val Glu Ser Trp Met Thr Arg Pro Asp Leu Gln Pro Gly Tyr Glu
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 Gly Trp Gln Ala Leu Asp Pro Thr Pro Gln Glu Lys Ser Glu Gly Thr
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 Tyr Cys Cys Gly Pro Val Pro Val Arg Ala Ile Lys Glu Gly Asp Leu
 370 375 380
 Ser Thr Lys Tyr Asp Ala Pro Phe Val Phe Ala Glu Val Asn Ala Asp
 385 390 395 400
 Val Val Asp Trp Ile Gln Gln Asp Asp Gly Ser Val His Lys Ser Ile
 405 410 415
 Asn Arg Ser Leu Ile Val Gly Leu Lys Ile Ser Thr Lys Ser Val Gly
 420 425 430
 Arg Asp Glu Arg Glu Asp Ile Thr His Thr Tyr Lys Tyr Pro Glu Gly

Pro Val Glu Ala Gly Glu Glu Val Lys Val Arg Met Asp Leu Val Pro
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Leu His Met Gly Leu His Lys Leu Val Val Asn Phe Glu Ser Asp Lys
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<211> 1470

<212> DNA

<213> Homo sapiens

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<212> PRT

<213> Homo sapiens

<400> 12

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Asp Ile Lys Asp Asp Ile Tyr Asp Pro Thr Tyr Lys Asp Lys Glu Gly
 50 55 60

Pro Ser Pro Lys Val Glu Tyr Val Trp Arg Asn Ile Ile Leu Met Ser
 65 70 75 80

Leu Leu His Leu Gly Ala Leu Tyr Gly Ile Thr Leu Ile Pro Thr Cys
 85 90 95

Lys Phe Tyr Thr Trp Leu Trp Gly Val Phe Tyr Tyr Phe Val Ser Ala
 100 105 110

Leu Gly Ile Thr Ala Gly Ala His Arg Leu Trp Ser His Arg Ser Tyr
 115 120 125

Lys Ala Arg Leu Pro Leu Arg Leu Phe Leu Ile Ile Ala Asn Thr Met
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Ala	Phe	Gln	Asn	Asp	Val	Tyr	Glu	Trp	Ala	Arg	Asp	His	Arg	Ala	His
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Val	Lys	Glu	Lys	Gly	Ser	Thr	Leu	Asp	Leu	Ser	Asp	Leu	Glu	Ala	Glu
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Thr	Phe	Gln	Asn	Ser	Val	Phe	Val	Ala	Thr	Phe	Leu	Arg	Tyr	Ala	Val
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Val	Leu	Asn	Ala	Thr	Trp	Leu	Val	Asn	Ser	Ala	Ala	His	Leu	Phe	Gly
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Tyr	Arg	Pro	Tyr	Asp	Lys	Asn	Ile	Ser	Pro	Arg	Glu	Asn	Ile	Leu	Val
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Ser	Leu	Gly	Ala	Val	Gly	Glu	Gly	Phe	His	Asn	Tyr	His	His	Ser	Phe
		290				295				300					
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Thr	Phe	Phe	Ile	Asp	Trp	Met	Ala	Ala	Leu	Gly	Leu	Thr	Tyr	Asp	Arg
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Asp Gly Asn Tyr Lys Ser Gly

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<210> 13

<211> 1637

<212> DNA

<213> Homo sapiens

<400> 13

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cgcaggccct gcccgcacct tccgtcccca cccccctcg ccttttctc tccccacctt 180
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<211> 394

<212> PRT

<213> Homo sapiens

<400> 14

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Thr Arg Leu His Leu Asn Lys Lys Ala Thr Asp Lys Gln Pro Tyr Ser
35 40 45

Lys Leu Pro Gly Val Ser Leu Leu Lys Pro Leu Lys Gly Val Asp Pro
50 55 60

Asn Leu Ile Asn Asn Leu Glu Thr Phe Phe Glu Leu Asp Tyr Pro Lys
65 70 75 80

Tyr Glu Val Leu Leu Cys Val Gln Asp His Asp Asp Pro Ala Ile Asp
85 90 95

Val Cys Lys Lys Leu Leu Gly Lys Tyr Pro Asn Val Asp Ala Arg Leu
100 105 110

Phe Ile Gly Gly Lys Lys Val Gly Ile Asn Pro Lys Ile Asn Asn Leu
115 120 125

Met Pro Gly Tyr Glu Val Ala Lys Tyr Asp Leu Ile Trp Ile Cys Asp
130 135 140

Ser Gly Ile Arg Val Ile Pro Asp Thr Leu Thr Asp Met Val Asn Gln			
145	150	155	160
Met Thr Glu Lys Val Gly Leu Val His Gly Leu Pro Tyr Val Ala Asp			
	165	170	175
Arg Gln Gly Phe Ala Ala Thr Leu Glu Gln Val Tyr Phe Gly Thr Ser			
	180	185	190
His Pro Arg Tyr Tyr Ile Ser Ala Asn Val Thr Gly Phe Lys Cys Val			
	195	200	205
Thr Gly Met Ser Cys Leu Met Arg Lys Asp Val Leu Asp Gln Ala Gly			
	210	215	220
Gly Leu Ile Ala Phe Ala Gln Tyr Ile Ala Glu Asp Tyr Phe Met Ala			
	225	230	235
Lys Ala Ile Ala Asp Arg Gly Trp Arg Phe Ala Met Ser Thr Gln Val			
	245	250	255
Ala Met Gln Asn Ser Gly Ser Tyr Ser Ile Ser Gln Phe Gln Ser Arg			
	260	265	270
Met Ile Arg Trp Thr Lys Leu Arg Ile Asn Met Leu Pro Ala Thr Ile			
	275	280	285
Ile Cys Glu Pro Ile Ser Glu Cys Phe Val Ala Ser Leu Ile Ile Gly			
	290	295	300
Trp Ala Ala His His Val Phe Arg Trp Asp Ile Met Val Phe Phe Met			
	305	310	315
Cys His Cys Leu Ala Trp Phe Ile Phe Asp Tyr Ile Gln Leu Arg Gly			
	325	330	335
Val Gln Gly Gly Thr Leu Cys Phe Ser Lys Leu Asp Tyr Ala Val Ala			
	340	345	350

Trp Phe Ile Arg Glu Ser Met Thr Ile Tyr Ile Phe Leu Ser Ala Leu
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<210> 15

<211> 63

<212> DNA

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<212> DNA

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<210> 17

<211> 51

<212> DNA

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<210> 18

<211> 50

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 19

<211> 32

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 19

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<210> 20

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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